



DESCRIPTION OF MAP UNITS

- CHLORITIC DIKE
- MAFIC SILL
- UPPER UNDIFFERENTIATED IRON-FORMATION
- IRON-FORMATION CONTAINING CLASTIC BEDS
- MAGNETITE-CHERT-CARBONATE IRON-FORMATION
r, Riebeckite zone
- MAGNETITE-CARBONATE-SILICATE-CHERT IRON-FORMATION
- LOWER UNDIFFERENTIATED IRON-FORMATION
- SIAMITE SLATE
- BEDROCK OUTCROP

- Contact - Long dashed where located within 100 feet; short dashed where located within 200 feet; queried where projected or inferred
- Fault, showing dip where known - Long dashed where located within 100 feet; short dashed where located within 200 feet; queried where inferred; D, downthrown side; U, upthrown side
- Breccia zone
- Strike and dip of beds
- Anticline, showing plunge
- Fault or dike inferred from seismic survey
- Diamond-drill hole - Arrow indicates direction of plunge of inclined hole
- Diamond-drill hole penetrating chloritic rock at ledge - Arrow indicates direction of plunge of inclined hole

**SURFACE GEOLOGIC MAP OF THE EMPIRE MINE, SEC. 19, T. 47 N., R. 26 W.,
MARQUETTE COUNTY, MICHIGAN**
Sections shown diagrammatically in fig. 41